OFFICE OF THE UNDER SECRETARY OF DEFENSE



3000 DEFENSE PENTAGON WASHINGTON DC 20301-3000

May 10, 2001

MEMORANDUM FOR ASSISTANT SECRETARY OF THE ARMY (INSTALLATIONS AND ENVIRONMENT)

ASSISTANT SECRETARY OF THE NAVY (INSTALLATION AND ENVIRONMENT)

ASSISTANT SECRETARY OF THE AIR FORCE (MANPOWER, RESERVE AFFAIRS, INSTALLATIONS AND ENVIRONMENT)

DEPARTMENT OF DEFENSE ASSISTANT DEPUTY COMPTROLLER (PROGRAM/BUDGET)

ASSISTANT SECRETARY OF DEFENSE (HEALTH AFFAIRS)
ASSISTANT SECRETARY OF DEFENSE (RESERVE AFFAIRS)

DIRECTORS OF THE DEFENSE AGENCIES

DIRECTOR, DEPARTMENT OF DEFENSE EDUCATION ACTIVITY

DIRECTOR FOR LOGISTICS, JOINT STAFF (J-4)

SUBJECT: Unit Costs, Area Cost Factors, Size Adjustment Factors and Inflation Rate Guidance for Department of Defense Facility Construction for Fiscal Year 2003 and Fiscal Year 2004

Department of Defense Guidance for Unit Costs, Area Cost Factors, Size Adjustment Factors and Inflation Rates is attached for your immediate use in developing the Fiscal Year 2003 and Fiscal Year 2004 military construction programs.

This information is also available on line at the National Institute of Building Sciences Construction Criteria Base website: www.ccb.org. For further information contact LTC William Windsor at (703) 604-5707 or by e-mail at william windsor@osd.mil.

Deputy Under Secretary

(Installations)

Attachment DoD Guidance

General Comments on Use of Unit Costs, Area Cost Factors, Size Adjustment Factor, and Inflation Rate

February 1, 2001

The following tables for Unit Costs for DoD Facilities, Area Cost Factors (ACFs), Size Adjustment Factors, and OSD Inflation Rates are also maintained and available on the National Institute of Building Science Construction Criteria Database. Please address any questions regarding the following tables or cost engineering procedures to your participating Service member of the Tri-Service Committee on Cost Engineering.

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Tables A1 and A2: Unit Costs for DoD Facilities:

1. Table A1 provides metric unit cost data for DoD facilities in dollars per square meter (\$/m²). Table A2 provides equivalent English unit cost data in dollars per square foot (\$/SF).

2. Most of the unit costs and referenced facility sizes are based on historic construction award data for Air Force, Army and Navy projects with construction contracts awarded after January 1992. Unit costs for a few category codes that have a limited number of awarded projects are based on contracts awarded since 1989. The unit cost database includes only new construction

projects and does not include data from renovation or add/alter projects. The facility types or category codes listed represent those facilities more frequently constructed by the Services.

- 3. The unit costs are escalated to October 2003 and October 2004, the assumed midpoints of construction for Fiscal Year (FY) 2003 and FY 04, respectively. Use the official OSD inflation rates shown in Table D to escalate the FY03 unit costs beyond FY03.
- 4. The unit costs are for primary facilities only and do not include supporting facility costs; equipment acquired with other fund sources; construction contingency factors; supervision, inspection, and overhead; or construction cost growth resulting from user changes, unforeseen site conditions, or contract document errors and omissions.

Table B: Area Cost Factors:

- 1. Use these area cost factors (ACFs) only with the primary facility unit costs from Table A.
- 2. Area cost factors for some locations have been updated from a previous list based on the latest data input from the Services' field offices. In general, the area cost factors are developed based on the construction market condition of local costs for a market basket of 8 labor crafts, 18 construction materials, and 4 equipment items. These labor, materials, and equipment (LME) items are representative of the types of products and services used to construct most military facilities. In 1998, the last market survey covered a list of 222 locations that included 96 Base Cities (two per state in the Continental United States), 106 additional locations in the United States and 20 overseas locations. A new construction market survey will be conducted in 2002.
- 3. Each of the LME costs is normalized and weighted to represent its contribution to the total cost of a typical facility. The normalized LME then is modified by seven matrix factors that cover local conditions affecting construction costs. These matrix factors include weather, seismic, climatic (frost zone, wind loads, and heating, ventilating and air conditioning, labor availability, contractor overhead and profit, life support and mobilization, and labor productivity versus the U.S. standard. The resultant ACF for each location is normalized again by dividing by the Base City average to obtain a final ACF that reflects the relative relationship of construction costs between that location and the Base City average as 1.00.
- 4. There is no easy correlation between these ACFs and previous ACFs for specific locations. No common benchmarks exist because both the Base City average and the relationships between cities change for each two-year cycle. It is possible, however, to compare differences between several locations in this database with differences between the same locations in previous databases.
- 5. Do not use these ACFs to modify parametric cost estimates, detailed quantity-take-offs, unit price book line items, or commercial cost data. These other cost estimating systems and databases have their own processes and factors for adjusting costs to different locations.

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Table C: Size Adjustment Factors:

- 1. The Size Adjustment Factors table is based on data analysis that shows a correlation exists between project size and construction cost. Unit construction costs generally are lower for larger projects due to greater opportunities for material quantity discounts and for spreading mobilization, demobilization and general overhead costs over a greater number of units.
- 2. All unit costs are based on the referenced facility sizes. Use Table C, Size Adjustment Pactor, to adjust unit costs for facilities whenever your project size differs from the referenced facility size shown in Table A1 or A2. Divide the gross area of your proposed facility by the referenced size for that facility type to determine the size relationship ratio. Use this ratio to find the appropriate size adjustment factor in Table C. Multiply the unit cost from Table A1 or A2 by the size adjustment factor to calculate the adjusted unit cost for your facility, if applicable.
- 3. Base your proposed project size on the total project scope to be awarded as a single construction contract, regardless of the number of buildings to be constructed within that scope. If a construction award project is to be broken into a number of discreet phases where the contractor has limited control over the phasing, use the average scope for all phases as the basis for your size adjustment calculations.
- 4. EXAMPLE: You propose to build a 6,440 m² Enlisted Dormitory (Barracks) in FY03. The referenced facility size taken from the unit cost summary is 9,200 m². The size relationship quotient is 0.70 (6,440 m² divided by 9,250 m²). Enter Table C to find the Size Adjustment Factor of 1.04. Multiply the unit cost of \$1,539/m² by 1.04 to determine that your adjusted unit cost is \$1,600/m².

Table D: Inflation Rates:

- 1. The inflation rates in Table D are based on guidance issued by the Office of the Under Secretary of Defense (Comptroller) (OUSD(C)) memorandum of January 30, 2000. Use these rates in submission of the President's Budgets for FY03 and FY04 and in supporting congressional justification materials unless OUSD(C) modifies the rates. The inflation rates are subject to change during the course of the budget review.
- 2. The Table D inflation guidance has an arbitrary baseline of 1.00 for October 2002. The inflation indices are based on the Engineering News Record historic data through October 1999 and the Comptroller-projected inflation rates after that date.

TABLE A1 PRIMARY FACILITY UNIT COST DATA FOR DOD FACILITIES - METRIC UNITS

February 1, 2001

		REFERENCE	(NOTES	1 AND 2)
		SIZE	UNIT COST	(\$ PER m2)
	FACILITY TYPE	GROSS m²	FY 2003	FY 2004
1.	SATELLITE COMMUNICATIONS CENTER (WITH SHIELDING AND GENERATOR)	550	5,049	5,150
2.	AIRCRAFT OPERATION BUILDING (WITHOUT TOWER)	950	2,261	2,306
3.	AIRFIELD FIRE AND RESCUE STATION (DOES NOT INCLUDE CENTRAL ALARM SYSTEM)	750	1,927	1,966
4.	OPERATIONS BUILDINGS GENERAL PURPOSE HEADQUARTERS SQUADRON	2,300 1,650 3,350	1,400 1,582 1,475	1,428 1,614 1,505
5.	APPLIED INSTRUCTION BUILDINGS GENERAL INSTRUCTION HIGH TECH (AUTO-AID) TRAINING	2,300 2,300	1,432 1,712	1,461 1,746
6.	RESERVE CENTER (NOTE 8)	1,850	1,324	1,346
7.	HANGERS MAINTENANCE/ GENERAL PURPOSE HIGH BAY MAINTENANCE	2,150 3,250	1,582 2,024	1,614 2,064
8.	SHOPS VEHICLE MAINTENANCE, WHEEL VEHICLE MAINTENANCE, TRACK AIRCRAFT AVIONICS INSTALLATION MAINTENANCE PARACHUTE AND DINGHY A/C MACHINE SHOP	2,800 2,300 2,150 2,900 750 1,850	1,400 1,475 1,550 1,216 1,658 1,582	1,428 1,505 1,581 1,240 1,691 1,614
9.	STORAGE FACILITIES COLD STORAGE WAREHOUSE/PROCESSING COLD STORAGE WAREHOUSE GENERAL PURPOSE WAREHOUSE - LOW BAY GENERAL PURPOSE WAREHOUSE - HIGH BAY GENERAL PURPOSE MAGAZINE W/O CRANE HIGH EXPLOSIVE MAGAZINE	1,000 550 3,700 9,290 950 450	1,238 1,658 689 807 1,938 2,056	1,263 1,691 703 823 1,977 2,097
10.	DOD MEDICAL FACILITIES (NOTE 3) STATION HOSPITAL REGIONAL MEDICAL CENTER MEDICAL CLINIC	NA NA 4,650	2.002 2,390 1,701	2,042 2,438 1,735

TABLE A1 PRIMARY FACILITY UNIT COST DATA FOR DOD FACILITIES - METRIC UNITS February 1, 2001

(NOTES 1 AND 2) REFERENCE UNIT COST (\$ PER m2) SIZE GROSS m² FY 2003 FY 2004 **FACILITY TYPE** 10. DOD MEDICAL FACILITIES (CONT.) MEDICAL/DENTAL CLINIC 5,570 1.841 1,878 DENTAL CLINIC 2,130 2.088 1.860 11. ADMINISTRATIVE FACILITIES (NOTE 4) 1,438 MULTI-PURPOSE 2,300 1,410 1,711 1,745 DATA PROCESSING AREA FACILITY 1,950 (INCLUDES ADMIN AND STORAGE) 1,922 COMMAND HEADQUARTERS BUILDING 3,700 1.884 12. BARRACKS, DORMITORIES (NOTE 5) 1.539 1.570 9,250 (DOES NOT INCLUDE KITCHENETTE EQUIPMENT) 13. UNACCOMPANIED OFFICERS QUARTERS (NOTE 5) 4,100 1,550 1,581 14. DINING FACILITY 2.000 2.487 2,537 (INCLUDES KITCHEN EQUIPMENT AND INSTALLATION) 15. FIRE STATION COMMUNITY 740 1.550 1.581 1,812 16. CHAPEL CENTER 1,776 1.400 17. COMMISSARY 7.900 1.399 1,427 (SALES STORE W/ OPERATIONAL EQUIPMENT) 18. FAMILY SUPPORT 1,593 1,625 CHILD DEVELOPMENT CENTER (NOTE 6) 1,400 1,472 **EDUCATION CENTER** 930 1,443 YOUTH CENTER 1,400 1,380 1,408 FAMILY SERVICE CENTER 1.408 450 1,380 747 19. FAMILY HOUSING (NOTE 7) CONUS NA 732 743 758 **OCONUS** NA 20. PHYSICAL FITNESS TRAINING CENTER 2.790 1,636 1.669 21. MAIN EXCHANGE 1,153 7,430 1,130 (W/ MALL SERVICE SHOPS) 22. SERVICE CLUBS 2.090 2,358 2,405 23. LIBRARIES 1,472 1,100 1.443 24. RECREATION CENTERS 1,850 1,378 1,406

TABLE A1 PRIMARY FACILITY UNIT COST DATA FOR DOD FACILITIES - METRIC UNITS

February 1, 2001

FACILITY TYPE	REFERENCE SIZE GROSS m ²	(NOTES 1 AND 2) UNIT COST (\$ PER m²) FY 2003 FY 2004	
25. BOWLING CENTERS (8 LANES W/ PIN SPOTTING EQUIPMENT AND AUTOMATIC SCORING DEVICE)	700	1,669	1,702
26. DEPENDENT SCHOOLS ELEMENTARY JUNIOR HIGH/MIDDLE HIGH SCHOOL 27. TEMPORARY LODGING FACILITIES	NA NA NA 2,790	1,130 1,163 1,206 1,453	1,153 1,186 1,230 1,482

GENERAL NOTES:

- 1. THESE UNIT COSTS ARE FORECAST TO A MIDPOINT OF CONSTRUCTION OF 1 OCTOBER FOR THE RESPECTIVE FISCAL YEAR WITH AN AREA COST FACTOR (ACF) OF 1.00. UNIT COSTS DO NOT INCLUDE ALLOWANCES FOR CONSTRUCTION CONTINGENCIES AND SIGH.
- 2. THESE UNIT COSTS INCLUDE (INSTALLED (BUILT-IN) BUILDING EQUIPMENT AND FURNISHINGS NORMALLY FUNDED WITH MILCON FUNDS.
- 3. UNIT COSTS FOR DOD MEDICAL FACILITIES INCLUDE CATEGORY A AND B EQUIPMENT, BUT DO NOT INCLUDE CATEGORY E AND F EQUIPMENT COSTS.
- 4. UNIT COSTS FOR ADMINISTRATIVE FACILITIES DO NOT INCLUDE PREWIRED WORKSTATIONS OR FURNITURE SYSTEMS
- 5. UNIT COSTS FOR BARRACKS AND UNACCOMPANIED OFFICERS QUARTERS DO NOT INCLUDÉ FREE STANDING KITCHÉN EQUIPMENT.
- 6. UNIT COSTS FOR CHILD DEVELOPMENT CENTERS DO NOT INCLUDE FREE-STANDING FOOD SERVICE EQUIPMENT OR PLAYGROUND AREA EQUIPMENT.
- 7. UNIT COSTS FOR FAMILY HOUSING ARE BASED ON GROSS AREA AND INCLUDE COSTS FOR SPRINKLER SYSTEMS OR FIRE RATED CONSTRUCTION.
- 8. FOR RESERVE FACILITIES OTHER THAN RESERVE CENTERS USE UNIT COST FROM APPROPRIATE FACILITY TYPE

TABLE A2 PRIMARY FACILITY UNIT COST DATA FOR DOD FACILITIES - ENGLISH UNITS February 1, 2001

(NOTES 1 AND 2) REFERENCE UNIT COST (\$ PER SF) SIZE FY 2004 **GROSS SF** FY 2003 **FACILITY TYPE** 478 469 6,000 1. SATELLITE COMMUNICATIONS CENTER (WITH SHIELDING AND GENERATOR) 214 210 2. AIRCRAFT OPERATION BUILDING 10,000 (WITHOUT TOWER) 183 179 8,000 3. AIRFIELD FIRE AND RESCUE STATION (DOES NOT INCLUDE CENTRAL ALARM SYSTEM) 4. OPERATIONS BUILDINGS 132 130 25.000 **GENERAL PURPOSE** 150 147 **HEADQUARTERS** 18,000 140 36,000 137 SQUADRON 5. APPLIED INSTRUCTION BUILDINGS 133 136 25.000 GENERAL INSTRUCTION 163 159 25,000 HIGH TECH (AUTO-AID) TRAINING 125 20,000 123 6. RESERVE CENTER (NOTE 8) 7. HANGERS 150 147 23,000 MAINTENANCE/GENERAL PURPOSE 192 35,000 188 HIGH BAY MAINTENANCE 8. SHOPS 133 130 30,000 VEHICLE MAINTENANCE, WHEEL 140 137 25,000 VEHICLE MAINTENANCE, TRACK 147 144 23,000 AIRCRAFT AVIONICS 116 31,000 113 INSTALLATION MAINTENANCE 157 154 8.000 PARACHUTE AND DINGHY 147 150 20,000 A/C MACHINE SHOP 9. STORAGE FACILITIES 118 115 11.000 COLD STORAGE WAREHOUSE/PROCESSING 154 157 6,000 **COLD STORAGE WAREHOUSE** 65 40,000 64 GENERAL PURPOSE WAREHOUSE - LOW BAY 77 75 100.000 GENERAL PURPOSE WAREHOUSE - HIGH BAY 184 10.000 180 GENERAL PURPOSE MAGAZINE W/O CRANE 191 194 5.000 HIGH EXPLOSIVE MAGAZINE 10. DOD MEDICAL FACILITIES (NOTE 3) 189 186 STATION HOSPITAL NA 227 222 NA REGIONAL MEDICAL CENTER 161 158 50.000 MEDICAL CLINIC

TABLE A2 PRIMARY FACILITY UNIT COST DATA FOR DOD FACILITIES - ENGLISH UNITS February 1, 2001

TOTES 1 AND 2) COST (\$ PER SF) 2003 FY 2004 71 174 94 198 31 134 59 163 75 179 43 147
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31 134 59 163 75 179
163 75 179
163 75 179
75 179
13 147
43 147
147
31 235
147
168
133
1
8 151
8 137 130
8 130
70 71
2 155
5 107
9 224
4 137
8 130

TABLE A2 PRIMARY FACILITY UNIT COST DATA FOR DOD FACILITIES - ENGLISH UNITS February 1, 2001

	REFERENCE	(NOTES 1 AND 2) UNIT COST (\$ PER SF)		
FACILITY TYPE	GROSS SF	FY 2003	FY 2004	
25. BOWLING CENTERS (8 LANES W/ PIN SPOTTING EQUIPMENT AND AUTOMATIC SCORING DEVICE)	7,800	155	158	
26. DEPENDENT SCHOOLS ELEMENTARY JUNIOR HIGH/MIDDLE HIGH SCHOOL	NA - NA - NA	105 108 112	107 110 114	
7. TEMPORARY LODGING FACILITIES	30,000	135	138	

GENERAL NOTES:

- THESE UNIT COSTS ARE FORECAST TO A MIDPOINT OF CONSTRUCTION OF 1 OCTOBER FOR THE RESPECTIVE FISCAL YEAR WITH AN AREA COST FACTOR (ACF) OF 1,00. UNIT COSTS DO NOT INCLUDE ALLOWANCES FOR CONSTRUCTION CONTINGENCIES AND SIGH.
- 2. THESE UNIT COSTS INCLUDE INSTALLED (BUILT-IN) BUILDING EQUIPMENT AND FURNISHINGS NORMALLY FUNDED WITH MILCON FUNDS.
- 3. UNIT COSTS FOR DOD MEDICAL FACILITIES INCLUDE CATEGORY A AND B EQUIPMENT, BUT DO NOT INCLUDE CATEGORY E AND F EQUIPMENT COSTS.
- 4. UNIT COSTS FOR ADMINISTRATIVE FACILITIES DO NOT INCLUDE PREWIRED WORKSTATIONS OR FURNITURE SYSTEMS
- 5. UNIT COSTS FOR BARRACKS AND UNACCOMPANIED OFFICERS QUARTERS DO NOT INCLUDE FREE STANDING KITCHEN EQUIPMENT.
- 6. UNIT COSTS FOR CHILD DEVELOPMENT CENTERS DO NOT INCLUDE FREE-STANDING FOOD SERVICE EQUIPMENT OF PLAYGROUND AREA EQUIPMENT.
- 7. UNIT COSTS FOR FAMILY HOUSING ARE BASED ON GROSS AREA AND INCLUDE COSTS FOR SPRINKLER SYSTEMS OR FIRE RATED CONSTRUCTION.
- 8. FOR RESERVE FACILITIES OTHER THAN RESERVE CENTERS USE UNIT COST FROM APPROPRIATE FACILITY TYPE

February 1, 2001

STATE		LOCATION	ACF INDEX
ALABAMA	(A) (AF)	FORT MCCLELLAN FORT RUCKER MAXWELL AIR FORCE BASE MOBILE AREA	0.85 0.84 0.86 0.84 0.81 0.86 0.84
ALASKA	(AF) (AF) (AF) (A) (A) (A)	ANCHORAGE FAIRBANKS ADAK NAVAL STATION CLEAR AIR FORCE BASE EIELSON AIR FORCE BASE ELMENDORF AIR FORCE BASE FORT GREELY FORT RICHARDSON FORT WAINWRIGHT SHEMYA AIR FORCE BASE	1.84 1.68 2.01 3.41 2.13 2.03 1.59 2.15 1.59 2.01 3.45
ARIZONA	(A) (AF) (A)	FLAGSTAFF TUSCON DAVIS MONTHAN AIR FORCE BASE FORT HUACHUCA LUKE AIR FORCE BASE NAVAJO ARMY DEPOT YUMA MCAS YUMA PROVING GROUND	0.98 0.98 0.98 1.01 1.00 0.98 0.96 1.16 1.12
ARKANSAS		FORT SMITH PINE BLUFF FORT CHAFFEE LITTLE ROCK AIR FORCE BASE PINE BLUFF ARSENAL	0.87 0.85 0.89 0.84 0.83 0.89

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STATE		LOCATION	ACF INDEX
CALIFORNIA	(A) (N) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	SAN DIEGO SAN FRANCISCO 29 PALMS MARINE CORPS BASE BEALE AIR FORCE BASE CAMP PENDLETON MARINE CORPS CENTERVILLE BEACH CHINA LAKE NAVAL WEAPONS CENTER EDWARDS AIR FORCE BASE EL CENTRO NAVAL AIR FIELD FORT HUNTER LIGGETT FORT IRWIN FORT ORD LEMOORE NAVAL AIR STATION LOS ANGELES AREA MARCH AIR FORCE BASE MCCLELLAN AIR FORCE BASE MCCLELLAN AIR FORCE BASE MONTEREY AREA OAKLAND ARMY BASE PORT HUENEME AREA RIVERBANK ARMY AMMO PLANT SACRAMENTO ARMY DEPOT SAN CLEMENTE ISLAND SHARPE ARMY DEPOT SIERRA ARMY DEPOT STOCKTON AREA TRAVIS AIR FORCE BASE VANDENBERG AIR FORCE BASE	1.10
COLORADO	(AF) (A) (AF) (AF) (A)		1.03 1.03 1.03 1.03 1.17 1.04 1.06 1.06 0.95 1.01 1.17
CONNECTICUT	(N) (A)	BRIDGEPORT NEW LONDON NEW LONDON AREA STRATFORD ENGINE PLANT	1.08 1.05 1.11 1.12 1.05

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STATE		LOCATION	ACF INDEX
DELAWARE			0.99
000/11/11/12		DOVER	1.01
		WILMINGTON	0.97
	(AF)	DOVER AIR FORCE BASE	1.01
FLORIDA			0.87
		MIAMI	0.91
		PANAMA CITY	0.82
	(AF)	CAPE CANAVERAL	0.98
	(AF)	EGLIN AIR FORCE BASE	0.82
		HOMESTEAD AIR FORCE BASE	0.91
	(N)		0.93
		KEY WEST NAVAL AIR STATION	1.10
		MACDILL AIR FORCE BASE	0.88
		ORLANDO AREA	0.84
		PANAMA CITY AREA	0.82
		PENSACOLA AREA	0.84
	(AF		0.82
GEORGIA			0.85
		ALBANY	0.79
		ATLANTA	0.91
	(N)	ALBANY AREA	0.79
	(A)	FORT BENNING	0.80
		FORT GILLEM	0.91
		FORT GORDON	0.84
	(A)	FORT MCPHERSON	0.91
		FORT STEWART	0.82
	(N)		0.99
	(AF)		0.83
	(AF)	ROBINS AFB	0.80
HAWAII			1.57
		HONOLULU	1.49
		KANEOHE BAY	1.64
	(N)		1.64
	(N)	BARKING SANDS	1.64
	(N)	FORD ISLAND	1.57
	(A)	FORT DERUSSY	1.45
	(A)	FORT SHAFTER	1.47
	(AF)	HICKAM AIR FORCE BASE	1.45
	(N)	KANEOHE MARINE CORPS AIR ST	1.64
	(N)	PEARL HARBOR	1.57
	(N)	POHAKULOA SCHOELE D BADBACKE	1.80
	(A)	SCHOFIELD BARRACKS	1.56
	(A)	TRIPLER ARMY MEDICAL CENTER	1.58
	(A)	WHEELER ARMY AIR FIELD	1.56

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STATE		LOCATION	ACF INDEX
IDAHO	(AF)	BOISE MOUNTAIN HOME MOUNTAIN HOME AIR FORCE BASE	1.06 1.01 1.11 1.11
ILLINOIS	(A) (A)		1.15 1.09 1.22 1.22 1.22 1.26 1.06 1.02 1.20
INDIANA	(N) (A) (AF) (A)	FORT BENJAMIN HARRISON GRISSOM AIR FORCE BASE	0.99 1.01 0.96 1.06 1.04 1.10 0.93
IOWA	(A)	BURLINGTON DES MOINES IOWA ARMY AMMO PLANT	1.06 1.11 1.00 1.19
KANSAS	(A)	MANHATTAN WICHITA FORT LEAVENWORTH FORT RILEY KANSAS ARMY AMMO PLANT MCCONNELL AIR FORCE BASE	0.93 0.96 0.91 1.05 1.09 0.97 0.91
KENTUCKY	(A) (A) (A) (N)	LEXINGTON LOUISVILLE FORT CAMPBELL FORT KNOX LEXINGTON/BLUE GRASS ARMY DEPOT LOUISVILLE NAVAL AIR STATION	0.94 0.91 0.97 1.06 1.05 0.98

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STATE		LOCATION	ACF INDEX
LOUISIANA	(AF) (A) (A) (A)	FORT POLK LOUISIANA ARMY AMMO PLANT	0.89 0.95 0.84 0.86 0.89 0.82 0.95
MAINE	(N) (N)	BANGOR PORTLAND BRUNSWICK AREA CUTLER WINTER HARBOR	1.06 1.07 1.05 1.02 1.02
MARYLAND		BALTIMORE LEXINGTON PARK ABERDEEN PROVING GROUND ANDREWS AIR FORCE BASE ANNAPOLIS BETHESDA CHELTONHAM (DC) CHESAPEAKE BEACH FORT DETRICK FORT GEORGE G MEADE FORT RITCHIE HARRY DIAMOND LAB INDIAN HEAD PATUXENT RIVER AREA THURMONT	0.99 0.90 1.08 0.90 0.96 0.90 0.96 0.90 0.88 0.90 0.88 0.96 1.08 0.88
MASSACHUSETTS	(A) (A) (AF)	BOSTON FITCHBURG ARMY MATERIAL & MECHANICAL LAB FORT DÉVENS HANSCOM AIR FORCE BASE	1.12 1.16 1.08 1.14 1.16 1.12
MICHIGAN	(A) (AF	DETROIT MARQUETTE DETROIT ARSENAL K I SAWYER AIR FORCE BASE	1.17 1.19 1.15 1.19 1.16
MINNESOTA		DULUTH MINNEAPOLIS	1.07 1.10 1.04

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STATE		LOCATION	ACF INDEX
MISSISSIPPI	(N)	BILOXI COLUMBUS COLUMBUS AIR FORCE BASE GULFPORT AREA KEESLER AIR FORCE BASE MERIDIAN NAVAL AIR STATION	0.87 0.92 0.81 0.81 0.92 0.92
MISSOURI	(A)	KANSAS CITY SEDALIA FORT LEONARD WOOD LAKE CITY ARMY PLANT ST LOUIS ARMY AMMO PLANT WHITEMAN AIR FORCE BASE	0.97 1.01 0.93 1.10 1.08 1.05 1.01
MONTANA	(AF)	BILLINGS GREAT FALLS MALMSTROM AIR FORCE BASE	1.14 1.17 1.12 1.16
NEBRASKA		GRAND ISLAND OMAHA CORNHUSKER ARMY AMMO PLANT OFFUTT AIR FORCE BASE	0.93 0.89 0.98 0.89 1.01
NEVADA	. ,	HAWTHORNE LAS VEGAS FALLON NAVAL AIR STATION HAWTHORNE ARMY AMMO PLANT NELLIS AIR FORCE BASE	1.14 1.16 1.12 1.20 1.16 1.17
NEW HAMPSHIRE	(N)	CONCORD PORTSMOUTH PORTSMOUTH AREA	1.05 1.06 1.04 1.04
NEW JERSEY	(N) (N) (A) (AF) (A)	NEWARK TRENTON BAYONNE MILITARY OCEAN TERMINAL EARLE/COLTS NECK FORT DIX FORT MONMOUTH MCGUIRE AIR FORCE BASE PICATINNY ARSENAL	1.18 1.19 1.17 1.18 1.22 1.17 1.17 1.17

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STATE		LOCATION	ACF INDEX
NEW MEXICO	(AF) (AF)	ALAMOGORDO ALBUQUERQUE CANNON AIR FORCE BASE HOLLOMAN AIR FORCE BASE KIRTLAND AIR FORCE BASE WHITE SANDS MISSLE RANGE	0.99 0.98 0.99 1.04 0.98 0.99
NEW YORK	(AF) (A) (N) (AF) (A) (N)	NIAGARA PLATTSBURGH AIR FORCE BASE SENECA ARMY DEPOT STATEN ISLAND U. S. MILITARY ACADEMY	1.11 1.05 1.18 1.16 1.02 1.41 1.18 1.04 1.09 1.35 1.28 0.99
NORTH CAROLINA		CHERRY POINT FORT BRAGG	0.85 0.85 0.85 0.94 0.94 0.88 0.94 0.88 0.82 0.91
NORTH DAKOTA	(AF)	GRAND FORKS MINOT MINOT AIR FORCE BASE	1.04 1.01 1.08 1.11
ОНЮ		DAYTON YOUNGSTOWN RAVENNA ARMY AMMO PLANT WRIGHT-PATTERSON AIR FORCE BASE	0.99 0.97 1.01 1.00 0.97

February 1, 2001

STATE		LOCATION	ACF INDEX
OKLAHOMA	(A)	LAWTON OKLAHOMA CITY ALTUS AIR FORCE BASE FORT SILL MCALESTER ARMY AMMO PLANT TINKER AIR FORCE BASE VANCE AIR FORCE BASE	0.87 0.87 0.86 0.96 0.91 0.84 0.86 0.91
OREGON	(A)	PENDLETON PORTLAND UMATILLA ARMY DEPOT	1.10 1.12 1.08 1.25
PENNSYLVANIA	(A) (A) (A) (N) (A) (N) (A) (N)	NEW CUMBERLAND ARMY DEPOT PHILADELPHIA AREA	1.03 1.08 0.98 0.94 1.00 1.00 0.94 0.94 1.08 1.06
RHODE ISLAND		NEWPORT PROVIDENCE	1.06 1.09 1.03
SOUTH CAROLINA	(AF) (A)	CHARLESTON COLUMBIA BEAUFORT AREA CHARLESTON AIR FORCE BASE FORT JACKSON SHAW AIR FORCE BASE	0.87 0.89 0.85 1.04 0.89 0.85
SOUTH DAKOTA	(AF)	RAPID CITY SIOUX FALLS ELLSWORTH AIR FORCE BASE	0.93 0.91 0.96 0.91
TENNESSEE	(AF) (N)	CHATTANOOGA MEMPHIS ARNOLD AIR FORCE STATION MEMPHIS NAVAL AIR STATION	0.87 0.83 0.91 0.87 1.00

February 1, 2001

STATE		LOCATION	ACF INDEX
TENNESSEE (Cont)	(A)	VOLUNTEER ORDINANCE WORKS	0.80
TEXAS			0.82
		SAN ANGELO	0.81
		SAN ANTONIO	0.82
	(AF	BROOKS AIR FORCE BASE	0.82
	(A)		0.82
	(A)	CORPUS CHRISTI AREA	0.90
	(N) /N/	DALLAS	0.89
		DALLAS DYESS AIR FORCE BASE	
			0.98
		FORT BLISS	0.91
		FORT HOOD	0.86
		FORT SAM HOUSTON	0.82
		GOODFELLOW AIR FORCE BASE	
	(N)		0.94
		KELLY AIR FORCE BASE	0.82
		KING\$VILLE AREA	0.91
	(AF)	LACKLAND AIR FORCE BASE	0.82
	(AF)	LAUGHLIN AIR FORCE BASE	0.89
	(A)	LONE STAR ARMY AMMO PLANT	0.89
	(A)	LONGHORN ARMY AMMO DEPOT RANDOLPH AIR FORCE BASE	0.80
	(AF)	RANDOLPH AIR FORCE BASE	0.82
	(A)	RED RIVER ARMY DEPOT	0.89
	(AF)	REESE AIR FORCE BASE	0.90
	(AF)	SHEPPARD AIR FORCE BASE	0.95
UTAH			1.03
		OGDEN	1.04
		SALT LAKE CITY	1.03
	(A)		1.06
	(A)	FORT DOUGLAS HILL AIR FORCE BASE	1.03
	(AF)	TOOLLE ADMY DEBOT	1.05
	(A)	TOOELE ARMY DEPOT	1.06
VERMONT			0.92
		BURLINTTON	0.91
		MONTPELIER	0.93
VIRGINIA			0.92
		NORFOLK	0.92
		RICHMOND	0.92
	(N)	DAHLGREN	0.91
	(A)	FORT A P HILL	0.87
	(A)	FORT BELVOIR	0.95
	(A)	FORT EUSTIS	0.92
	(A)	FORTLEE	0.94
		FORT MONROE	0.92
	(A)	FORT MYER	0.95
	(A)	FORT PICKETT	0.94
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February 1, 2001

PART I - U.S. LOCAT	<u> FIONS</u>	LOCATION	ACF INDEX
VIRGINIA (Cont)		EGOATION	0.92
(A)	(AF) (N) (A)	T STORY LANGLEY AIR FORCE BASE QUANTICO MARINE BASE REDFORD ARMY AMMO PLANT VINT HILL FARMS WALLOPS ISLAND	0.92 0.92 0.94 0.95 0.91 1.12
WASHINGTON	(A) (N)	SPOKANE TACOMA BREMERTON EVERETT FAIRCHILD AIR FORCE BASE FORT LEWIS INDIAN HEAD MCCHORD AIR FORCE BASE SILVERDALE WHIDBEY ISLAND NAVAL AIR STATION YAKIMA FIRING RANGE	1.07 1.06 1.09 1.16 1.11 1.06 1.09 1.16 1.09 1.14 1.27 1.08
WEST VIRGINIA	(N)	BLUEFIELD CHARLESTON SUGAR GROVE	0.95 0.94 0.97 1.43
WISCONSIN	(A) (A)	MADISON MILWAUKEE BADGER ARMY AMMO PLANT FORT MCCOY	1.14 1.15 1.13 1.22 1.19
WYOMING	(AF)	CASPER CHEYENNE F E WARREN AIR FORCE BASE	0.99 0.98 1.01 1.04
WASHINGTON DC	(AF) (A) (A)	BOLLING AIR FORCE BASE FORT MCNAIR WALTER REED ARMY MEDICAL CENTER	0.96 0.96 0.96 0.96

February 1, 2001

PART II - OCONUS LOCATIONS

NATION	LOCATION	ACF INDEX	CURRENCY EXCHANGE	REMARKS
ANTIGUA		1.96	2.70	ANTIGUA \$/US \$
AUSTRALIA	DARWIN PERTH SYDNEY WOOMERA AS	1.32 1.55 1.18 1.15 1.40	1.76	AUSTRALIAN \$/US \$
AZORES	LAJES	1.28 1.28	212.6	PORTUGUESE ESCUDO/US \$
BAHAMAS	ANDROS ISLAND	1.70 1.70	1.00	BAHAMIAN \$/US \$
BAHRAIN		1.31	0.377	BAHRAIN DINAR/US \$
BELGIUM	BRUSSELS	1. 33 1. 33	1.19	EURO/US \$
BERMUDA		1.59	1.00	BERMUDA \$/US
CANADA	ARGENTIA/NEWFOUNDLAND	1.34 1.34	1.49	CANADIAN \$/US \$
CUBA	GUANTANAMO	1.31 1.31	1.00	US\$
DIEGO GARCIA		2.52	1.00	US\$
EGYPT	CAIRO	1.31 1.31	3.83	EGYPTIAN POUND/US \$
EUROPEAN COMMUNITY		XXX	1.19	EURO/SU\$
GERMANY	FRANKFURT KAISERSLAUTERN TRIER SPANGDALHEM	1.24 1.21 1.24 1.24 1.27	1.19	EURO/US \$
GREECE	ATHENS	1.23 1.23	361.4	DRACHMA/US \$
GREENLAND	GODHAAB (WUUK)	2.92 2.92	7.87	DANISH KRONE/US \$

Februay 1, 2001

PART II - OCONUS LOCATIONS

NATION	LOCATION	ACF INDEX	CURRENCY EXCHANGE	
GUAM		2.03	1.00	US\$
ICELAND	REYKJAVIK	2.59 2.59	84.36	KRONA/US\$
ISRAEL		1.34	4.079	NEW SHEKEL/US\$
ITALY	AVIANO ISOLA DI CAPO RIZZUTO LA MADDALENA NAPLES SIGONELLA	1.24 1.32 1.23 1.28 1.20 1.16	1.19	EURO/US \$
JAPAN	ATSUGI IWAKUNI MISAWA OKINAWA TOKYO	1.92 1.94 1.85 1.98 1.90 1.94	111.26	YEN/US \$
JOHNSTON ATOLL		2.26	1.00	US\$
KOREA	CHINHAE CHUNCHON DMZ ZONE AREA KUNSAN OSAN POHANG PUSAN PYONGTAEK SEOUL TAEGU TONGDUCHON WONJU	1.13 1.13 1.09 1.25 1.13 1.12 1.13 1.12 1.12 1.12 1.12 1.12	1,189.50	WON/US \$
KUWAIT		1.24	0.31	DINAR/US \$
KWAJALEIN		2.33	1.00	US\$
MIDWAY ISLAND		2.21	1.00	US\$
MOROCCO	CASABLANCA	1.08 1.08	10.57	DIRHAM/US \$
NETHERLANDS	oss	1.30 1.30	1.19	EURO/US\$

Februay 1, 2001

PART II - OCONUS LOCATIONS

NATION	LOCATION	ACF INDEX	CURRENCY EXCHANGE	REMARKS
NEW ZEALAND	WELLINGTON	1.77 1.77	2.21	NEW ZEALAND \$/US \$
OMAN	RUWI	1.18 1.18	0.385	RILOMANI/US\$
PANAMA	PANAMA CITY	1.21 1.21	1.00	US\$
PHILIPPINES	MANILA SUBIC BAY	0.60 0.59 0.61	55.25	PHILIPPINE PESO/US \$
PUERTO RICO	ROOSEVELT ROAD SAN JUAN	1.38 1.38 1.38	1.00	US\$
QATAR		1.25	3.64	RIYAL/US \$
SEYCHELLES ISLAND		1.92	1.00	US \$
SPAIN	ROTA	1.20 1.20	1.19	EURO/US \$
THAILAND		1.13	42.67	BAHT/US \$
TURKEY	ANKARA INCIRLIK	0.91 0.92 0.90	692,030	TURKEY LIRA/US \$
UNITED KINGDOM	LONDON MANCHESTER (MILDENHALL) ST MAWGAN (LAKENHEATH) EDZELL, SCOTLAND		0.71	BRITISH POND/US \$

TABLE C SIZE ADJUSTMENT FACTORS (ALL FACILITIES OTHER THAN MILITARY FAMILY HOUSING) FEBRUARY 1 2001

Size Relationship Ratio	Size Adjustment Factor	Size Relationship Ratio	Size Size Adjustment Factor	Size Relationship Ratio	Size Adjustment Factor	Size Relationship Ratio	Size Adjustment Factor
< 0.05 0.05	1.275 1.275	1.00 1.05	1.000	2.00 2.05	0.942 0.940	3.00 3.05	0.921 0.920
0.10 0.15	1.269	1.10	0.990 0.986	2.10 2.15	0.939 0.937	> 3.05	0.920
0.20 0.25	1.202 1.175	1.20 1.25	0.982 0.978	2.20 2.25	0.936 0.935		
0.30 0.35	1.152 1.132	1.30 1.35	0.974 0.971	2.30 2.35	0.933 0.932		
0.40 0.45	1.114 1.098	1.40 1.45	0.968 0.965	2.40 2.45	0.931 0.930		
0.50 0.55	1.084 1.072	1.50 1.55	0.962 0.960	2.50 2.55	0.929 0.928		
0.60 0.65	1.060 1.050	1.60 1.65	0.957 0.955	2.60 2.65	0.927 0.926		
0.70 0.75	1.041 1.033	1.70 1.75	0.953 0.951	2.70 2.75	0.925 0.924	,,,,,	
0.80 0.85	1.025 1.018	1.80 1.85	0.949 0.947	2.80 2.85	0.924 0.923		
0.90 0.95	1.011 1.005	1.90 1.95	0.945 0.943	2.90	0.922 0.921		

TABLE D OSD INFLATION INDICES

(OMB Rates for Projecting Future Escalation)

(Baselined to October 2002 as 1.000)

February 22, 2000

Fiscal Year	Start Fiscal Year (Month Yr)	(Note 1) ENR Indices (Raw)	(Note 2) OSD Budget Authority %	(Note 3) OSD Inflation Indices
		1000		0.527
1980	Oct 79	1900		0.548
1981	Oct 80	1976		0.597
1982	Oct 81	2151		0.628
1983	Oct 82	2262	200	0.670
1984	Oct 83	2416		
1985	Oct 84	2424		0.673
1986	Oct 85	2441		0.677
1987	Oct 86	2511		0.697
1988	Oct 87	2569		0.713
1989	Oct 88	2612		0.725
1990	Oct 89	2662		0.739
1991	Oct 90	2728		0.757
1992	Oct 91	2786		0.773
1993	Oct 92	2867		0.796
1994	Oct 93	3016		0.837
1995	Oct 94	3116		0.865
1996	Oct 95	3117		0.865
1997	Oct 96	3284		0.911
1998	Oct 97	3372		0.936
1999	Oct 98	3423		0.950
2000	Oct 99	3498	1.400	0.971
2001	Oct 00	3547	1,600	0.984
2002	Oct 01	3604	1.700	1.000
2003	Oct 02	3665	1.800	1.017
2004	Oct 03	3731	2.000	1.035
2005	Oct 04	3806	2.000	1.056
2006	Oct 05	3882	2.000	1.077
2007	Oct 06	3959	2.000	1.099
2008	Oct 07	4039	2.000	1,121
2009	Oct 08	4119	2.000	1 143
2010	Oct 09	4202	2.000	1.166

Inflation multipliers through October 1999 are based on Engineering Note 1:

News Record Building Construction Indices.

Inflation multipliers after October 1999 are projections based on Note 2: guidance issued by the Office of the Under Secretary of Defense

(Comptroller) memorandum of 30 June 2000.

Use these inflation indices to adjust unit costs for projects FY 2003 and Note 3: beyond unless OUSD(C) modifies the rate. The inflation rates are

subject to change during the course of the budget.

SI:60 1002-72-10W P.25/25 DOSD INST IRM